



ATTY. DOCKET NO.: BP0002-US
 APPLICANT: James M. Coull, et al.
 SERIAL NO.: 09/996,658
 FILING DATE: November 29, 2001
 GROUP: Not assigned 1634

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US PATENT DOCUMENTS							
EXAM INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
GR	AA 5,447,841	Sep 5, 1995	Grey et al.	435	6	Dec 14, 1990	
	AB 5,538,869	Jul 23, 1996	Siciliano et al.	435	91.2	Jun 1, 1993	
	AC 5,773,649	Jun 30, 1998	Sinnett et al.	435	91.2	Jun 10, 1996	
	AD 5,814,444	Sept 29, 1998	Rabinovitch	435	6	Jun 7, 1995	
FOREIGN PATENT DOCUMENTS							
EXAM INIT.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
BA	WO97/12995	April 10, 1997	EUROPEAN PATENT SPECIFICATION				X
BB	WO99/57309	Nov 11, 1999	EUROPEAN PATENT SPECIFICATION				X
CA	Batzer, M. et al, Standardized Nomenclature for Alu Repeats. <i>J. of Molecular Evolution</i> , 42, 2-6 (1996)						
CB	Britten, R. Evidence that most human Alu sequences were Inserted In a process that ceased about 30 million years ago. <i>Proc. Natl. Acad. Sci. USA</i> , 91, 6148-6150, (1994)						
CC	Britten, R. et al, Repeated Sequences In DNA. <i>SCIENCE</i> , 161, Number 3841, 529-540, (1968)						
CD	Brosius, J., Retroposons-Seeds of Revolution. <i>SCIENCE</i> , 251, 753, (1991)						
CE	Carson, R. et al, Simultaneous quantitation of 15 cytokines using a multiplexed flow cytometric assay. <i>J. of Immunological Methods</i> , 227, 41-52, (1997)						
CF	Magarlyama, Y. et al. <i>Scientific Correspondence</i> , 371, 752, (1994)						
CG	Corey, D., Peptide nucleic acids: expanding the scope of nucleic acid recognition. <i>Tibetech</i> , 224-229, (June 1997)						
CH	Discovering Beyond Imagination, CORNING, www.corning.com/lifesciences, 1,						
CI	Dunham, I. et al, The DNA sequence of human chromosome 22. <i>NATURE</i> , 402, 489-495, (1999)						
CJ	Zhenglong, G. et al, Densities, length proportions, and other distributional features of repetitive sequences in the human genome estimated from 430 megabase of genomic sequence. <i>Gene</i> , 259, 81-88, (2000)						
CK	Hattori, M. et al, The DNA sequence of human chromosome 21. <i>NATURE</i> , 405, 311-319, (2000)						
CL	Marie, I. et al, Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry. <i>Cytometry</i> , 39, 131-140, (2000)						
CM	Korenberg, J. et al, Human Genome Organization: Alu, Lines, and the Molecular Structure of Metaphase Chromosome Bands. <i>Cell</i> , 53, 391-400, (1988)						
CN	Landegent, J.E. et al, Use of whole cosmid cloned genomic sequences for chromosomal localization by non-radioactive <i>In situ</i> hybridization. <i>Human Genetics</i> , 366-370, (1987)						
CO	Landegent, J.E. et al, Chromosomal localization of a unique gene by non-autoradiographic <i>In situ</i> hybridization. <i>NATURE</i> , (1985) Sept 12-18;317-(6033): 175-7						

EXAMINER: B. L. Larson DATE CONSIDERED: 7/24/04



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CR	LUMINEX Product Literature	FEB 14 2002
	Mighell, A.J. et al, <i>Alu</i> sequences. FEBS Letters , 417, 1-5, (1997)	
CR	Nielsen, P., Peptide Nucleic Acid. A Molecule with Two Identities. Acc. Chem. Res. , 32, 624-630, (1999)	
CS	Nordentoft, S. et al, Evaluation of a Fluorescence-Labelled Oligonucleotide Probe Targeting 23S rRNA for Situ Detection of <i>Salmonella</i> Serovars In Paraffin-Embedded Tissue Sections and Their Rapid Identification In Bacterial Smears. J. of Clin. Micro. , 35, 2642-2648, (1997)	
CT	Novick, G.E. et al, The Mobile Genetic Element <i>Alu</i> In the Human Genome. BioScience , 46, 32-41, (1996)	
CU	O'Keefe, H. et al, Peptide nucleic acid pre-gel hybridization: An alternative to Southern hybridization. Proc. Natl. Acad. Sci. , 93, 14670-14675, (1996)	
CV	Sherry S.T. et al, <i>Alu</i> Evolution In Human Populations: Using the Coalescent to Estimate Effective Population Size. Genetics , 147, 1977-1982, (1997)	
CW	Smit, A., The origin of Interspersed repeats In the human genome. Current Opinion In Genetics & Development , 6, 743-748, (1996)	
CX	Spain, M. et al, A workstation approach to bioassays. IVD Technology , 35-42, (2000)	
CY	Taneja, K. et al, Multicolor Fluorescence In Situ Hybridization With Peptide Nucleic Acid Probes for Enumeration of Specific Chromosomes In Human Cells. Genes, Chromosomes & Cancer , 30, 57-63, (2001)	
CZ	Ullu, E. et al, The human <i>Alu</i> family of repeated DNA sequences. Elsevier Biomedical Press , 216-219, (1982)	
DA	Vergnaud, G. et al, Minisatellites: Mutability and Genome Architecture. Genome Research , 10, 899-907, (2000)	
DB	Wallner, G. et al, Combination of rRNA-Targeted Hybridization Probes and Immuno-Probes for the Identification of Bacteria by Flow Cytometry. System Appl. Microbiol. , 19, 569-576, (1996)	

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FOREIGN PATENT DOCUMENTS							
EXAM . INIT.		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
BSY/	DC	Drobniewski, F. et al, Differentiation of <i>Mycobacterium tuberculosis</i> Complex and Nontuberculous Mycobacterial Liquid Cultures by Using Peptide Nucleic Acid-Fluorescence In Situ Hybridization Probes. <i>J. of Clinical Microbiol.</i> , 38, 444-447, (2000)					
	DD	Hongmance, P. et al, Evaluation of a Fluorescence In Situ Hybridization Assay for Differentiation between Tuberculous and Nontuberculous <i>Mycobacterium</i> Species In Smears of Lowenstein-Jensen and <i>Mycobacteria</i> Growth Indicator Tube Cultures Using Peptide Nucleic Acid Probes. <i>J. of Clin. Microbiol.</i> 39, 1032-1035, (2001)					
	DE	O'Keefe, H. et al, Filter-based PNA In situ hybridization for rapid detection, Identification and enumeration of specific micro-organisms. <i>J. of Applied Microbiol.</i> , 90, 180-189, (2001)					
	DF	Oliveira, K. et al, Differentiation of <i>Candida albicans</i> and <i>Candida dubliniensis</i> by Fluorescent In Situ Hybridization with Peptide Nucleic Acid Probes. <i>J. of Clinical Microbiol.</i> , 39, 4138-4141, (2001)					
	DG	Padilla, E. et al, Evaluation of a Fluorescence Hybridisation Assay Using Peptide Nucleic Acid Probes for Identification and Differentiation of Tuberculous and Non-Tuberculous Mycobacteria In Liquid Cultures. <i>Eur J. Clin Microbiol. Infect. Dis.</i> , 19, 140-145, (2000)					
	DH	Prescott, A. et al, Use of PNA oligonucleotides for the <i>In situ</i> detection of <i>Escherichia coli</i> In water. <i>Molecular and Cellular Probes</i> , 13, 261-268, (1999)					
	DI	Stender, H. et al, Combination of ATP-bioluminescence and PNA probes allows rapid total counts and identification of specific microorganisms In mixed populations. <i>J. of Microbiol. Methods</i> , 46, 69-75, (2001)					
	DJ	Stender, H. et al, Direct detection and Identification of <i>Mycobacterium tuberculosis</i> In smear-positive sputum samples by fluorescence In situ hybridization (FISH) using peptide nucleic acid (PNA) probes. <i>Int. J. Tuberc Lung Dis.</i> 3, 830-837, (1999)					
	DK	Stender, H. et al, Fluorescence In Situ Hybridization Assay Using Peptide Nucleic Acid Probes for Differentiation between Tuberculous and Nontuberculous <i>Mycobacterium</i> Species In Smears of <i>Mycobacterium</i> Cultures. <i>J. of Clinical Microbiol.</i> , 37, 2760-2765, (1999)					
	DL	Stender, H. et al, Identification of <i>Dekkera bruxellensis</i> (Brettanomyces) from Wine by Fluorescence In Situ Hybridization Using Peptide Nucleic Acid Probes. <i>Appl. and Environmental Microbiol.</i> 67, 938-941, (2001)					
	DM	Stender, H. et al, Rapid detection, Identification, and enumeration of <i>Escherichia coli</i> by fluorescence In situ hybridization using an array scanner. <i>J. of Microbiol. Methods</i> , 45, 31-39, (2001)					
	DN	Stender, H. et al, Rapid Detection, Identification, and Enumeration of <i>Escherichia coli</i> Cells In Municipal Water by Chemiluminescent In Situ Hybridization. <i>Applied and Environ. Microbiol.</i> , 67, 142-147, (2001)					
	DO	Worden, A., et al, In Situ Hybridization of <i>Prochlorococcus</i> and <i>Synechococcus</i> (Marine Cyanobacteria) ssp. with rRNA-Targeted Peptide Nucleic Acid Probes. <i>App. and Env. Microbiol.</i> , 66, 284-289, (2000)					
BSY/	DP	Zerbic, P. et al, Amplified In Situ Hybridization With Peptide Nucleic Acid Probes For Differentiation of <i>Mycobacterium</i> Tuberculosis Complex and Nontuberculous Species on Formalin-Fixed, Paraffin-Embedded Archival Biopsy and Autopsy Samples. <i>Am. J. Clin. Pathol.</i> , 116, 770-775, (2001)					

EXAMINER: B. L. Sisson DATE CONSIDERED: 7/24/04

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<i>Bill</i>	BC	WO01/86296	May 7, 2001	EUROPEAN PATENT SPECIFICATION	—	—	—	X

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BxL	AE	4,591,570	May 27, 1986	Chang	436	518	Feb. 2, 1983
FOREIGN PATENT DOCUMENTS							
EXAM . INIT.		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
By J	BD	WO02/42736	May 3, 2002	EUROPEAN PATENT SPECIFICATION			X
By A	DQ	Alvarez-Barrientos A. et al, Applications of Flow Cytometry to Clinical Microbiology. Clinical Microb. Reviews , 13, 167-195, (2000)					
/	DR	Fulton, J. et al, Advanced Multiplexed Analysis With The FlowMetrix TM System. Clinical Chemistry , 43:9, 1749-1756, (1997)					
/	DS	Iannelli, D. et al, Simultaneous Detection Of Cucumber Mosaic Virus, Tomato Mosaic Virus And Potato Virus Y by Flow Cytometry. Journal of Virological Methods , 69 I37-I45, (1997)					
/	DT	Kulaga, H. et al, Identification Of Pathogenic Agents Via Microsphere-based Immunoassays on a Flow Cytometer. Science and Technology Corporation , XP-001118576					
By J	DU	Luk, J. et al, Rapid and Sensitive Detection of Salmonella (O:6,7) By Immunomagnetic Monoclonal Antibody-based Assays. Journal of Immunological Methods , 137, 1-8, (1991)					

EXAMINER: B.R. LescionDATE CONSIDERED: 2/24/04